



SEQUENCE LISTING

<110> KRIEG, ARTHUR M

<120> NUCLEIC ACID COMPOSITIONS FOR STIMULATING IMMUNE RESPONSES

<130> C1037.70042US00

<140> US 10/613,524

<141> 2003-07-03

<150> US 60/394,091

<151> 2002-07-03

<160> 29

<170> PatentIn version 3.2

<210> 1

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 1

tcgtcgtttt tcggtcgttt t

21

<210> 2

<211> 24

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 2

tcgtcgtttt gtcgttttgt cggt

24

<210> 3

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<220>

<221> misc\_feature

<222> (1)..(12)

<223> n is a, c, g, or t

<400> 3

nnnnnnnnnn nnggtcgttt t 21

<210> 4  
<211> 9  
<212> DNA  
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 4  
ggtcgtttt 9

<210> 5  
<211> 21  
<212> DNA  
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<220>  
<221> misc\_feature  
<222> (13)..(21)  
<223> n is a, c, g, or t

<400> 5  
tcgtcgtttt tcnnnnnnnn n 21

<210> 6  
<211> 12  
<212> DNA  
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 6  
tcgtcgtttt tc 12

<210> 7  
<211> 20  
<212> DNA  
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 7  
tcgtcgtttt tcggtcgttt 20

<210> 8  
<211> 19  
<212> DNA  
<213> Artificial sequence

<220>  
<223> Oligodeoxynucleotide

<400> 8  
tcgtcgtttt tcggtcggtt 19

<210> 9  
<211> 18  
<212> DNA  
<213> Artificial sequence

<220>  
<223> Oligodeoxynucleotide

<400> 9  
tcgtcgtttt tcggtcgt 18

<210> 10  
<211> 17  
<212> DNA  
<213> Artificial sequence

<220>  
<223> Oligodeoxynucleotide

<400> 10  
tcgtcgtttt tcggtcg 17

<210> 11  
<211> 16  
<212> DNA  
<213> Artificial sequence

<220>  
<223> Oligodeoxynucleotide

<400> 11  
tcgtcgtttt tcggtc 16

<210> 12  
<211> 15  
<212> DNA  
<213> Artificial sequence

<220>  
<223> Oligodeoxynucleotide

<400> 12

tcgtcgtttt tcggt 15

<210> 13  
<211> 14  
<212> DNA  
<213> Artificial sequence  
<220>

<223> Oligodeoxynucleotide

<400> 13  
tcgtcgtttt tcgg 14

<210> 14  
<211> 12  
<212> DNA  
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 14  
tcgtcgtttt tc 12

<210> 15  
<211> 21  
<212> DNA  
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 15  
tcgtcgtttt tcggtcgttt t 21

<210> 16  
<211> 20  
<212> DNA  
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 16  
cgtcgttttt cggtcgtttt 20

<210> 17  
<211> 19  
<212> DNA  
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 17

gtcgttttttc ggtcgtttt

19

<210> 18

<211> 18

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 18

tcgttttttcg gtcgtttt

18

<210> 19

<211> 17

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 19

cgtttttcgg tcgtttt

17

<210> 20

<211> 16

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 20

gttttttcggt cgtttt

16

<210> 21

<211> 15

<212> DNA

<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 21

tttttcggtc gtttt

15

<210> 22

<211> 14

<212> DNA

<213> Artificial sequence  
<220>  
<223> Oligodeoxynucleotide  
<400> 22  
ttttcggtcg tttt 14  
<210> 23  
<211> 13  
<212> DNA  
<213> Artificial sequence  
<220>  
<223> Oligodeoxynucleotide  
<400> 23  
tttcggtcgt ttt 13  
<210> 24  
<211> 12  
<212> DNA  
<213> Artificial sequence  
<220>  
<223> Oligodeoxynucleotide  
<400> 24  
ttcggtcgtt tt 12  
<210> 25  
<211> 11  
<212> DNA  
<213> Artificial sequence  
<220>  
<223> Oligodeoxynucleotide  
<400> 25  
tcggtcgttt t 11  
<210> 26  
<211> 10  
<212> DNA  
<213> Artificial sequence  
<220>  
<223> Oligodeoxynucleotide  
<400> 26  
cggtcgtttt 10

<210> 27  
<211> 13  
<212> DNA  
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<400> 27  
tcgtcgtttt tcg

<210> 28  
<211> 26  
<212> DNA  
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<220>  
<221> misc\_feature  
<222> (4)..(23)  
<223> n is a, c, g, or t; and any 0-20 may be absent

<400> 28  
gggnnnnnnnn nnnnnnnnnn nnnggg

<210> 29  
<211> 49  
<212> DNA  
<213> Artificial sequence

<220>

<223> Oligodeoxynucleotide

<220>  
<221> misc\_feature  
<222> (4)..(23)  
<223> n is a, c, g, or t; and any 0-20 may be absent

<220>  
<221> misc\_feature  
<222> (27)..(46)  
<223> n is a, c, g, or t; and any 0-20 may be absent

<400> 29  
gggnnnnnnnn nnnnnnnnnn nnngggnnnn nnnnnnnnnn nnnnnnggg

